

In the Claims:

1. (Currently Amended) A reflective insulation system, comprising:
 - a) a reflective layer;
 - b) a layer of fiberglass having a first side bonded to said reflective layer by a first deposit of hot melt glue that is in direct contact with the layer of fiberglass; and
 - c) a layer of vapor retarder material bonded to a second side of said layer of fiberglass by a second deposit of hot melt glue that is in direct contact with the layer of fiberglass.
2. (Original) The insulation system of claim 1 wherein said reflective layer comprises aluminum.
3. (Original) The insulation system of claim 1 wherein said vapor retarder material comprises polypropylene.
- 5 ~~4~~. (Original) The insulation system of claim 1 wherein said vapor retarder material is a laminate including a layer of polypropylene, a layer of scrim material, and a layer of kraft material.
- 4 ~~3~~. (Currently Amended) The insulation system of claim 2 ~~3~~ wherein said layer of polypropylene is approximately 0.0015 inches thick.
- 6 ~~5~~. (Original) The insulation system of claim 1 wherein said vapor retarder material comprises aluminum.
7. (Original) The insulation system of claim 1 wherein said reflective layer is perforated.
- 9 ~~8~~. (Original) A reflective insulation system, comprising:
 - a) a perforated layer having an outer surface that comprises aluminum;
 - b) a layer of fiberglass having a first side bonded to said perforated layer by a first deposit of hot melt glue;
 - c) a layer of kraft paper bonded to a second side of said layer of fiberglass by a second deposit of hot melt glue;
 - d) a layer of scrim bonded to said layer of kraft paper; and

- e) a layer of polypropylene bonded to said layer of scrim.

9 - 13 (Withdrawn)

¹⁰ ~~14~~. (Currently Amended) A reflective insulation system, comprising:

- a) a perforated reflective layer;
- b) a layer of fiberglass having a first side bonded to said reflective layer by a first deposit of glue; and
- c) a layer of vapor retarder material bonded to a second side of said layer of fiberglass by a second deposit of glue, wherein perforations of the reflective layer allow air trapped between the reflective layer and the layer of vapor retarder material to escape from the reflective insulation as the reflective insulation is rolled onto a reflective insulation roll.

¹¹ ~~15~~. (New) The reflective insulation system of claim ¹⁰ ~~14~~ wherein the reflective layer is an outermost aluminum layer.

¹² ~~16~~. (New) A reflective insulation system, comprising:

- a) an outermost reflective layer that reflects approximately 97% of heat radiated to the reflective layer;
- b) a layer of fiberglass having a first side bonded to said reflective layer by a first deposit of hot melt glue; and
- c) a layer of vapor retarder material bonded to a second side of said layer of fiberglass by a second deposit of hot melt glue.

¹³ ~~17~~. (New) The insulation system of claim ¹² ~~16~~ wherein said reflective layer comprises aluminum.

18. (New) The insulation system of claim 16 wherein said reflective layer is perforated.

¹⁴ ~~19~~. (New) The insulation system of claim ¹² ~~18~~ wherein perforations in the reflective layer allow air trapped between the reflective layer and the layer of vapor retarder material to escape from the reflective insulation as the reflective insulation is rolled onto a reflective insulation roll.

¹⁵ ~~20~~. (New) A reflective insulation system, comprising:

- a) an outermost reflective aluminum layer;

b) a layer of fiberglass having a first side bonded to said reflective layer by a first deposit of hot melt glue; and

c) a layer of vapor retarder material bonded to a second side of said layer of fiberglass by a second deposit of hot melt glue.

⁷ 21. (New) The insulation system of claim 1 wherein the first deposit of hot melt glue is in direct contact with the layer of fiberglass.

⁸ 22. (New) The insulation system of claim 1 wherein the second deposit of hot melt glue is in direct contact with the layer of fiberglass.

23. (New) The insulation system of claim 20 wherein said reflective layer is perforated.

¹⁶ ¹⁵ 24. (New) The insulation system of claim ~~23~~ wherein perforations in the reflective layer allow air trapped between the reflective layer and the layer of vapor retarder material to escape from the reflective insulation as the reflective insulation is rolled onto a reflective insulation roll.

¹⁷ 25. (New) A reflective insulation system, comprising:

a) an outermost aluminum layer that reflects approximately 97% of heat radiated to the aluminum layer;

b) a layer of fiberglass having a first side bonded to said reflective layer by a first deposit of hot melt glue that is in direct contact with the layer of fiberglass; and

c) a layer of vapor retarder material bonded to a second side of said layer of fiberglass by a second deposit of hot melt glue that is in direct contact with the layer of fiberglass.